Inspection Certificate

Abnahmeprüfungszeugnis DIN EN 10204.3.1
Certificat De reception
Certificado di collaudo
Keuringsrapport

Batch Number	**2611006**	**Product Name**	Spotcheck SKL-SP2 Red Penetrant
Date of Manufacture	19/11/2026	**B.B.E.**	11/2031

Specification: Specification

We hereby certify that when tested at the time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:

a) ASME Boiler and Pressure Vessel Code, 2025 Edition, Section V, Non-destructive Examination.

b) ASTM E-165/E-165M-23, Paragraph 7.1.

c) MIL-STD-2132E, March 29, 2016, Paragraph 6.1.3.

2. Meets the requirements of EN ISO 3452-1, EN ISO 3452-2 (Sensitivity level 2), AMS 2644J and ASTM E 1417/E 1417M-21 EDT1 Paragraph 5.1 & 6.5.1.

3. We further certify that the material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

Test	Section	Limit	Result
Specification			Passed

Specification: Ion Test Results

Test results obtained were as follows:

Test	Section	Limit	Result
Sulphur Content (S)		Conforms	0.0017%
Halogen Content (F + Cl)		Conforms	0.0021%

Specification: AMS 2644J Penetrant Results

Type 2 Penetrant

When tested according to paragraph 4.3.2 of AMS 2644J the following results were obtained:

Test	Section	Limit	Result
Flashpoint	3.3.3	Conforms	109.5°C
Viscosity	3.3.4	Conforms	3.84 mm2/s
Penetrant Removability	3.3.8.7	Complies with standard	Passed
Water Content	3.3.8.8	Complies with standard	0.01%

Specification: EN ISO 3452-2

When tested at the time of manufacture the following results were obtained. The information is derived from our quality checks. It does not relieve the purchaser from examining the product upon delivery and gives no assurance of the product for any particular purpose.

Test	Section	Limit	Result
Appearance	6.1 in EN ISO 3452-2	Equal to standard	Passed
Density (SMT 50)	6.3 in EN ISO 3452-2	0.806 – 0.890 g/cm3 @ 20°C	0.852 g/cm3 @ 20°C
Corrosive Properties	6.11 in EN ISO 3452-2	No Corrosion on Magnesium Alloy	Passed
Penetrant Sensitivity (SMT 15)	6.2 in EN ISO 3452-2	Level 2	Passed
Sulphur Content (S)	6.12 EN ISO 3452-2	<200ppm	17ppm
Halogen Content (F + Cl)	6.12 EN ISO 3452-2	<200ppm	21ppm
Viscosity	6.4 in EN ISO 3452-2	3.40 – 4.14 mm2/s @ 38°C	3.84 mm2/s

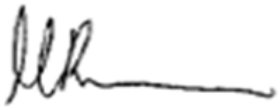
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Flashpoint	6.5 in EN ISO 3452-2	93°C Min for Bulk	109.5°C
Water Content	6.20 in EN ISO 3452-2	<5%	0.01%

--- EOR ---

Prepared by **Approved by**





Notes:
1. Our batch number appears on the label of bulk containers. Aerosols have batch numbers printed on bottom of the container.
2. Most specifications require test results stated in percent, but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.
3. MIL-STD-271, MIL-STD-2132 and ASME Sec V, all require that materials be subject to a procedure to evaporate off volatile solvents before analysis for Sulfur and Halogens. According to these specifications, only those residues higher than 0.005 g/100ml shall be analysed for Sulfur and Halogens. Lower residues shall be reported.
4. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

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